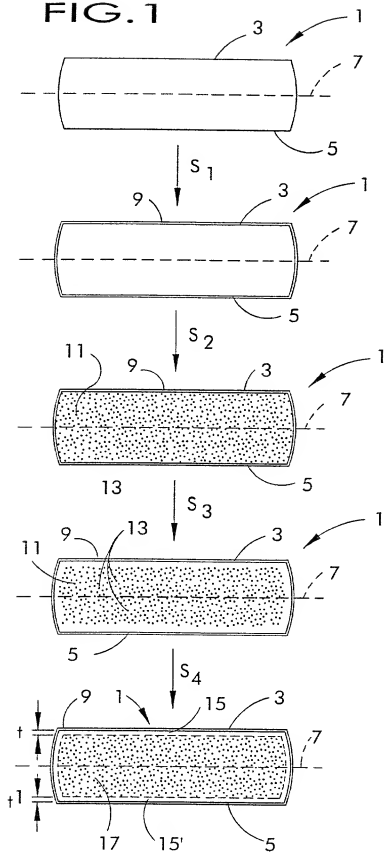


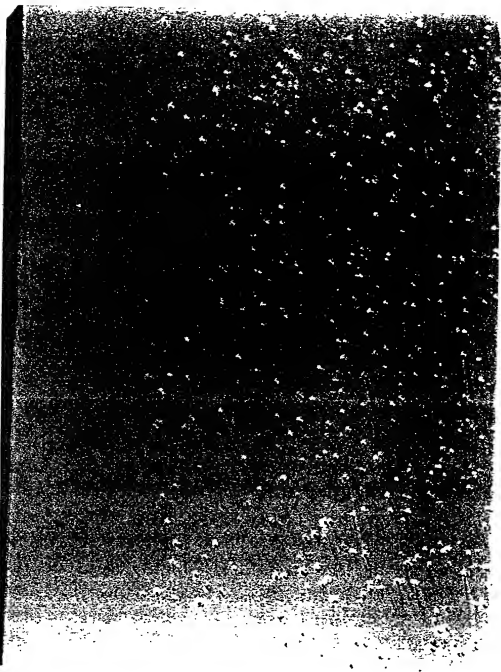
FIG. 1



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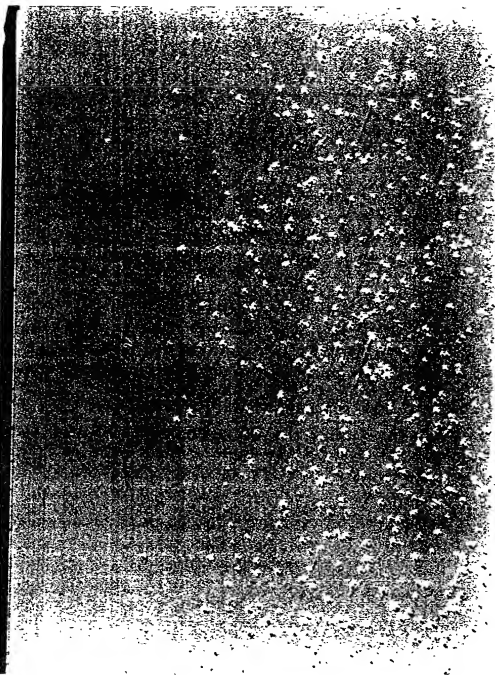
10038084.010302

FIG. 2



206070*48085001

FIG 3



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20E07D*1808E001

FIG. 4

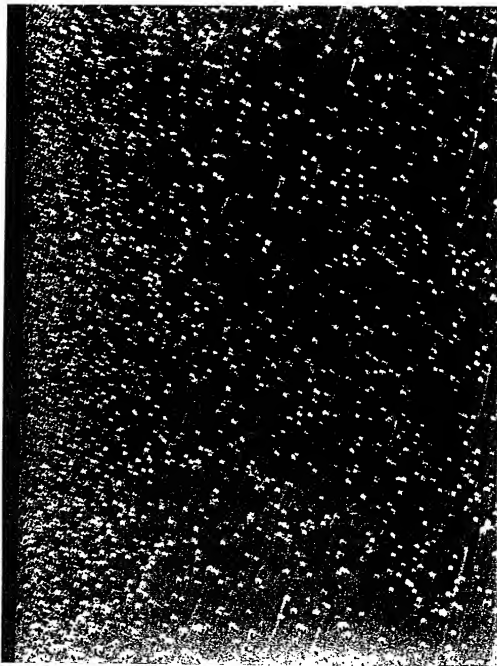
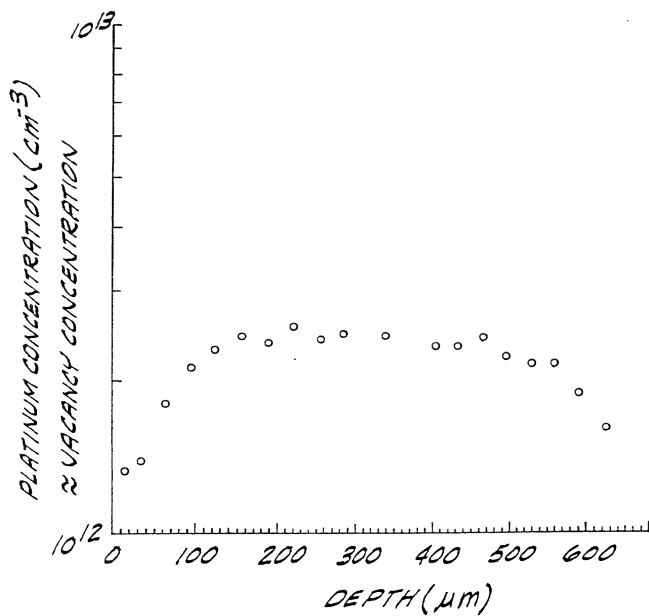


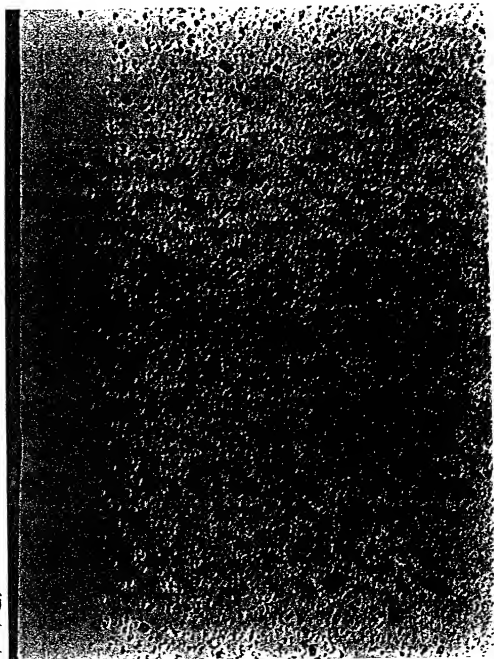
FIG. 5



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205010-1808001

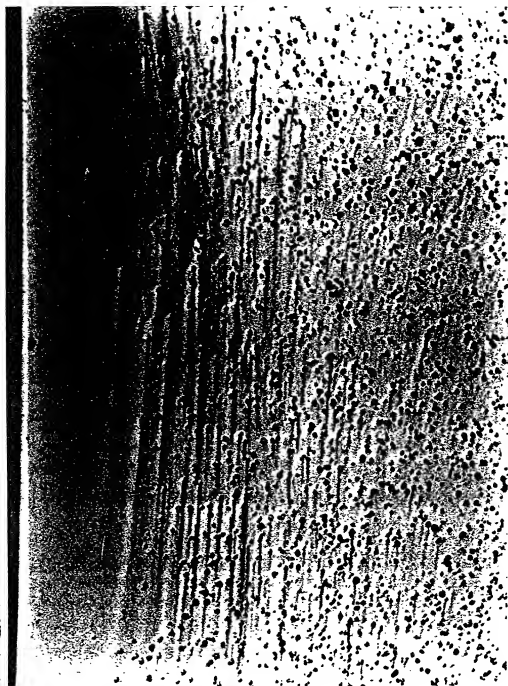
FIG. 6



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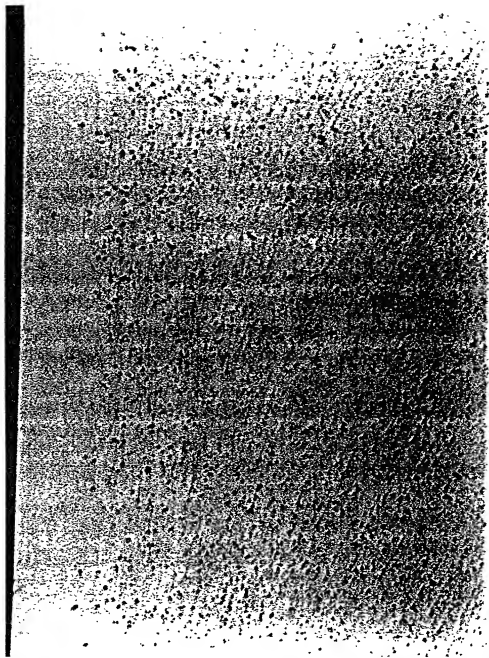
20070707 140800001

FIG. 7



200710.42083001

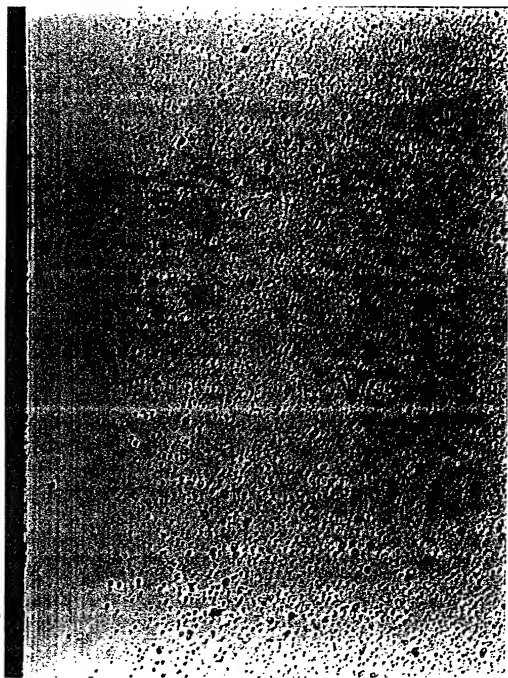
FIG. 8



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10038004-010202

FIG. 9



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FIG. 10

BMD DENSITY VS. OXYGEN PARTIAL PRESSURE

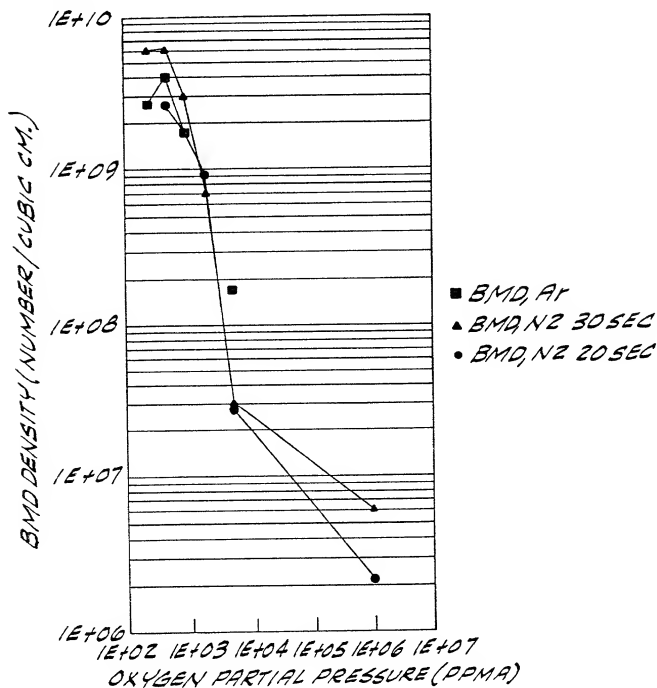


FIG.11

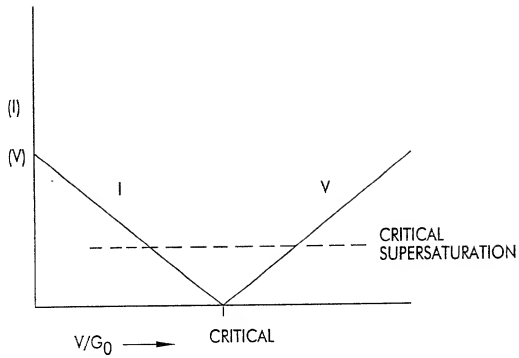


FIG.12

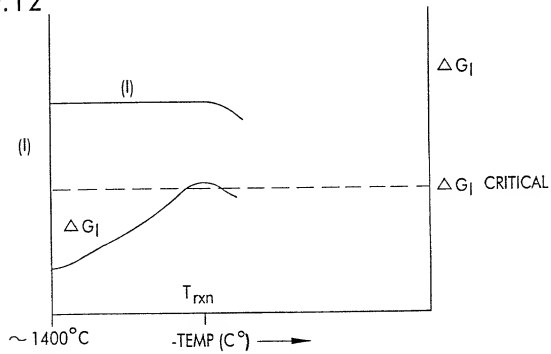


FIG.13

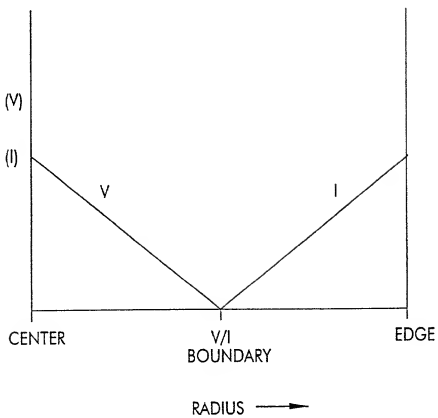


FIG.14

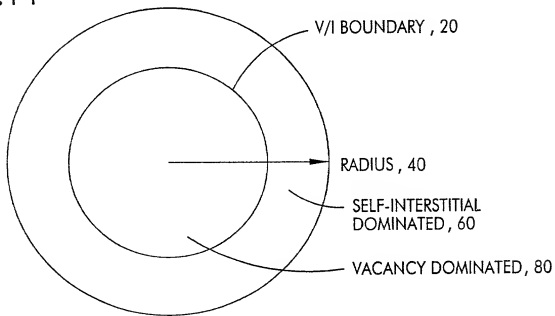


FIG.15

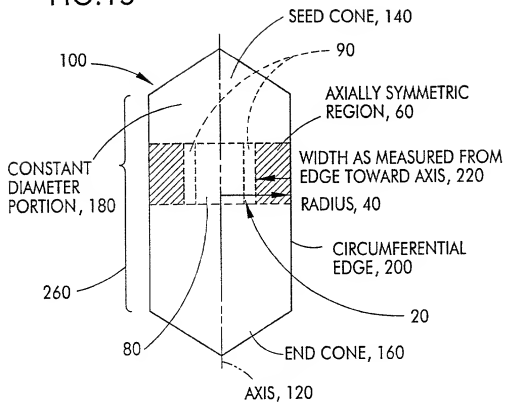


FIG. 16

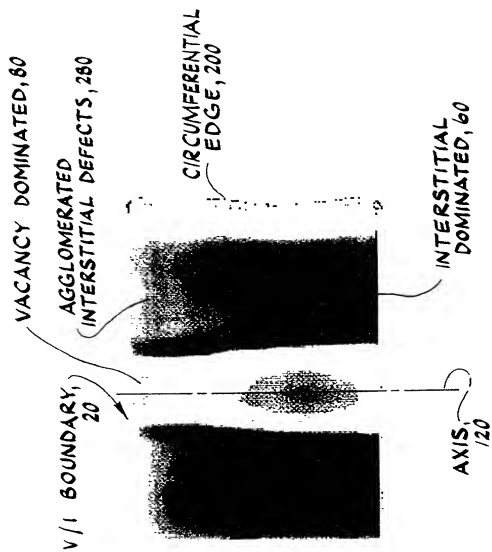
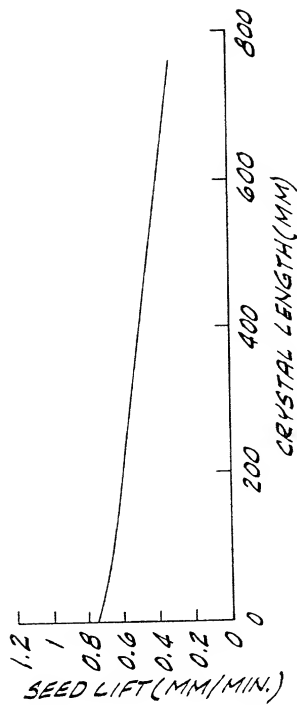
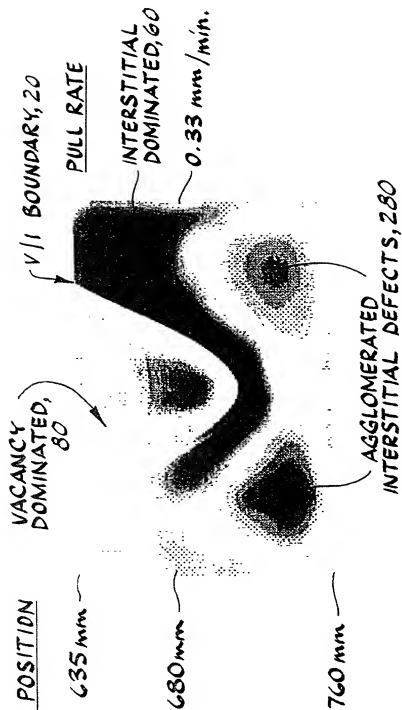


FIG. 17



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FIG. 18



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FIG. 19

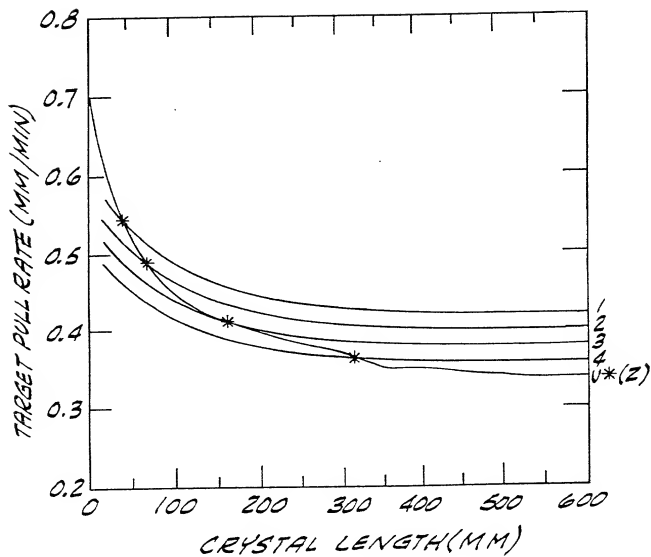


FIG. 20

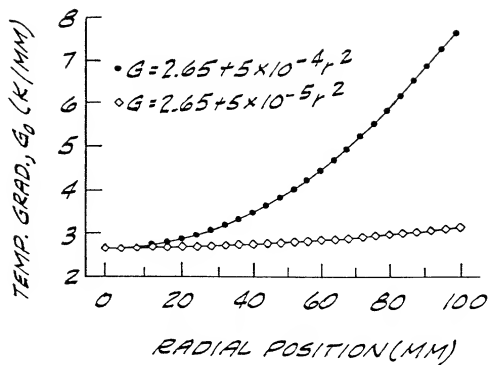
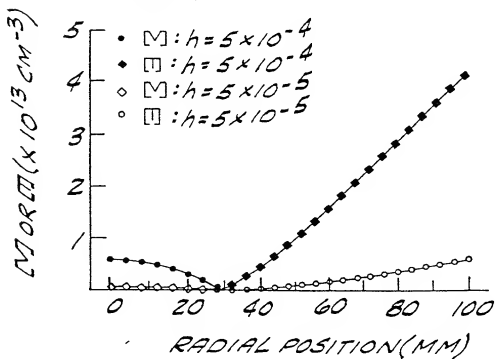


FIG. 21



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FIG. 22

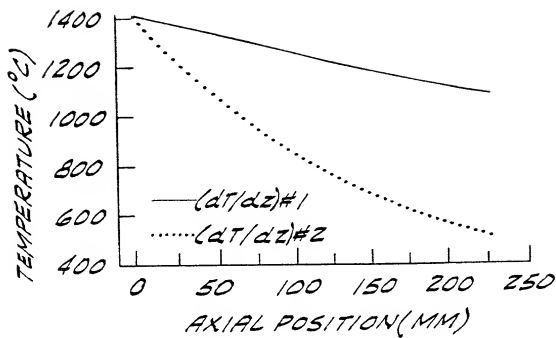
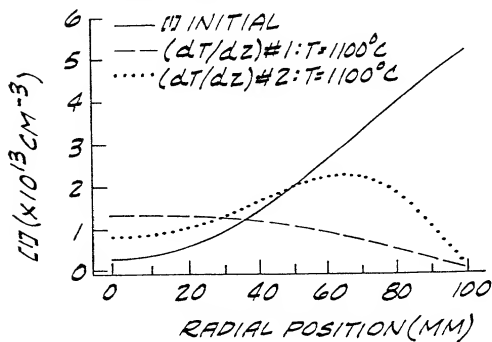


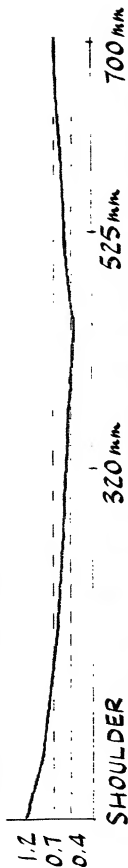
FIG. 23



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FIG. 24

SEED LIFT (mm/min.)



SHOULDER



320 mm

525 mm

700 mm

FIG. 25

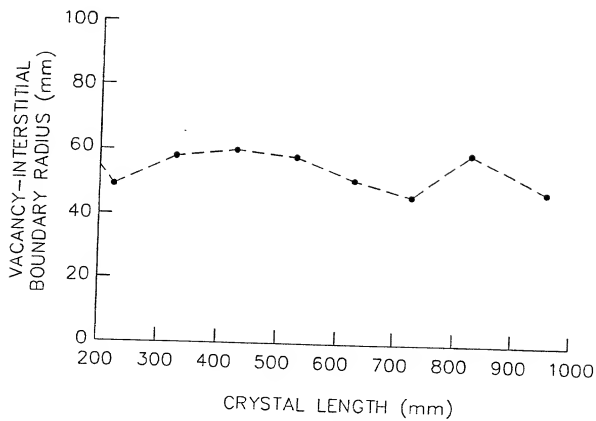


FIG. 26A

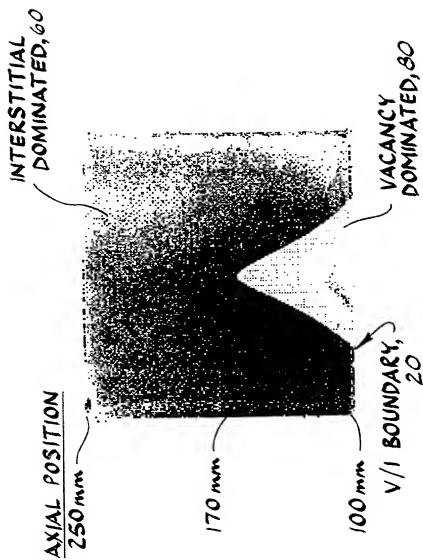


FIG. 26B

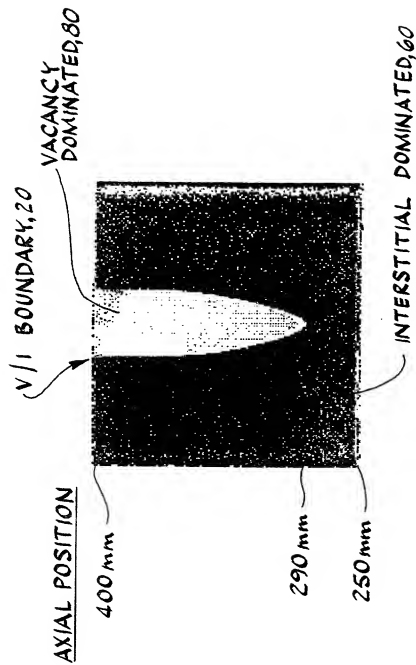


FIG.27

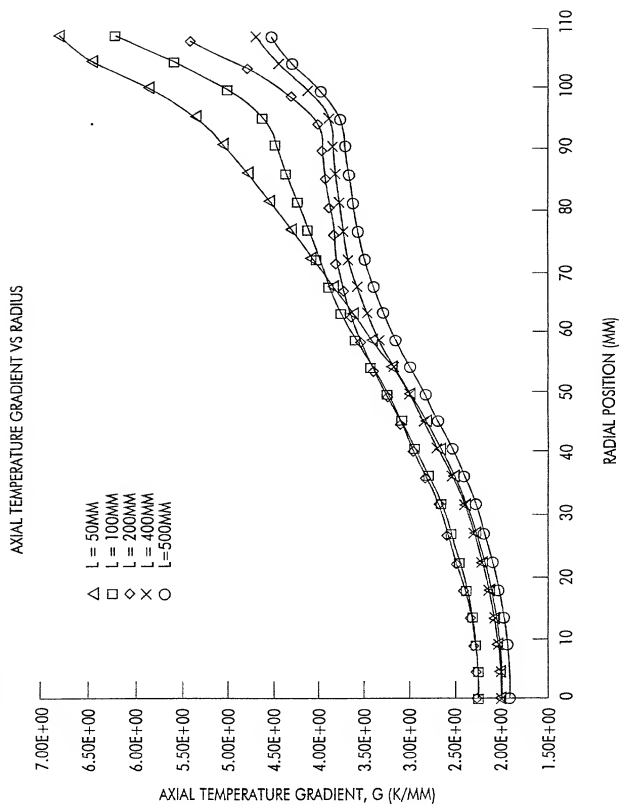


FIG.28

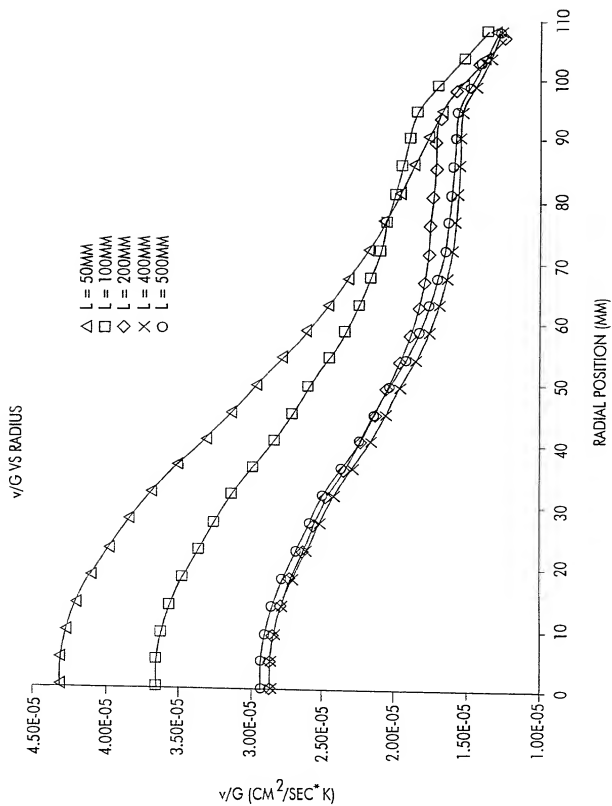


FIG.29

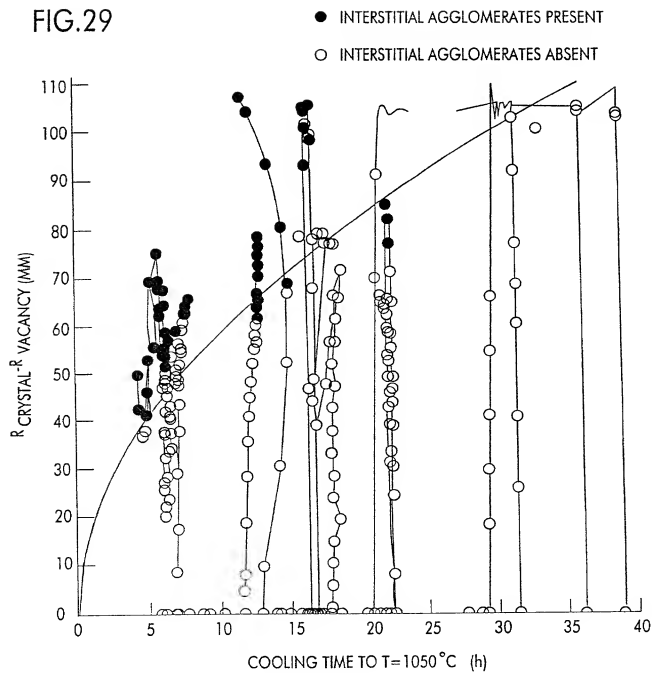


FIG.30

AXIAL
POSITION

235 mm

255 mm

350 mm

V/I BOUNDARY, 20

VACANCY
DOMINATED, 80

PULL RATE

- 0.4 mm/min.



AGGLOMERATED
INTERSTITIAL DEFECTS, 280

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FIG. 31

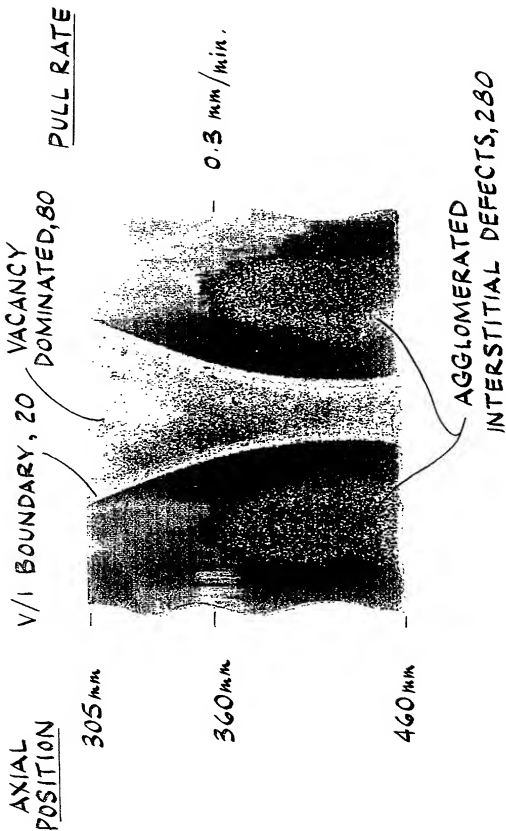
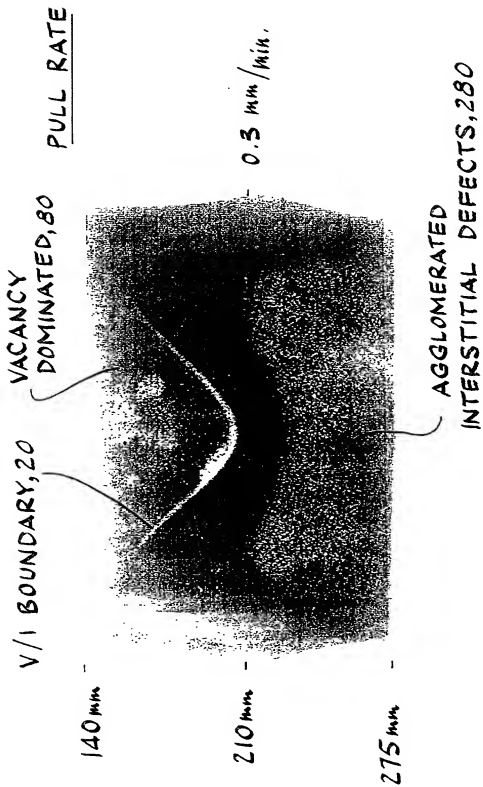


FIG.32



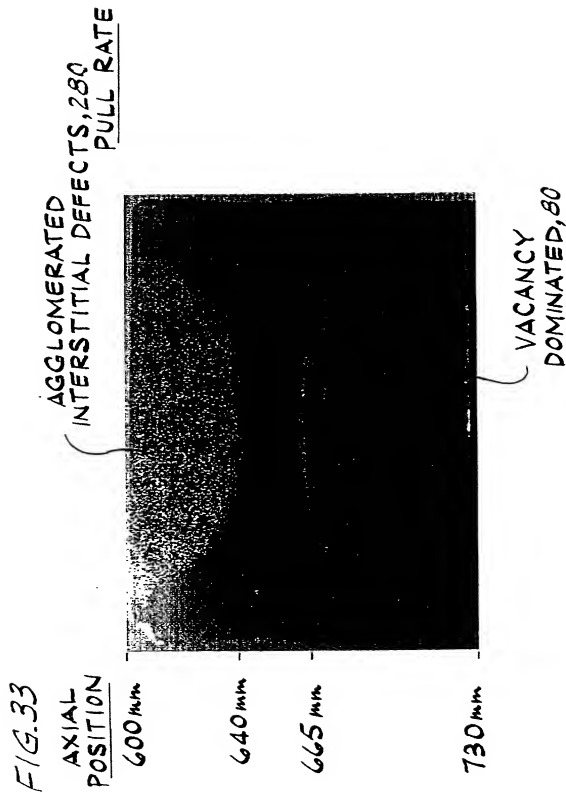


FIG.34

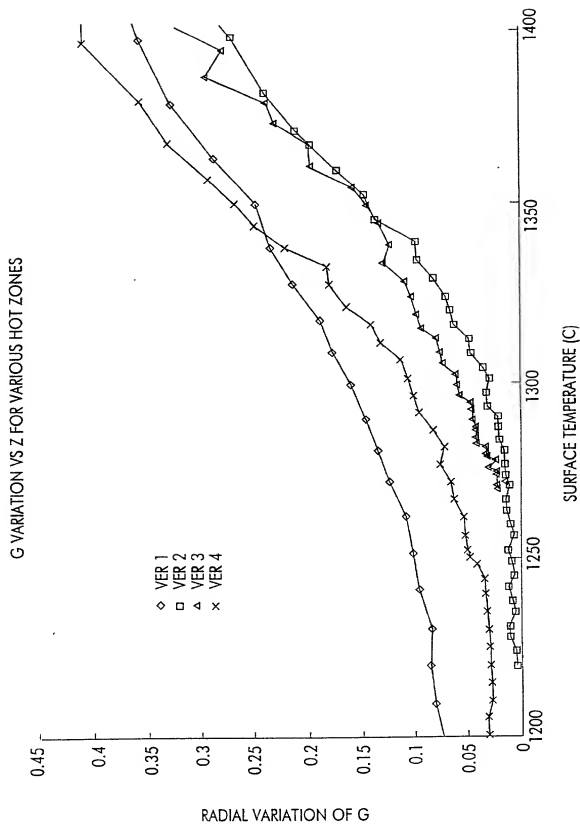


FIG.35

TEMPERATURE PROFILES FOR VARIOUS HOT ZONES

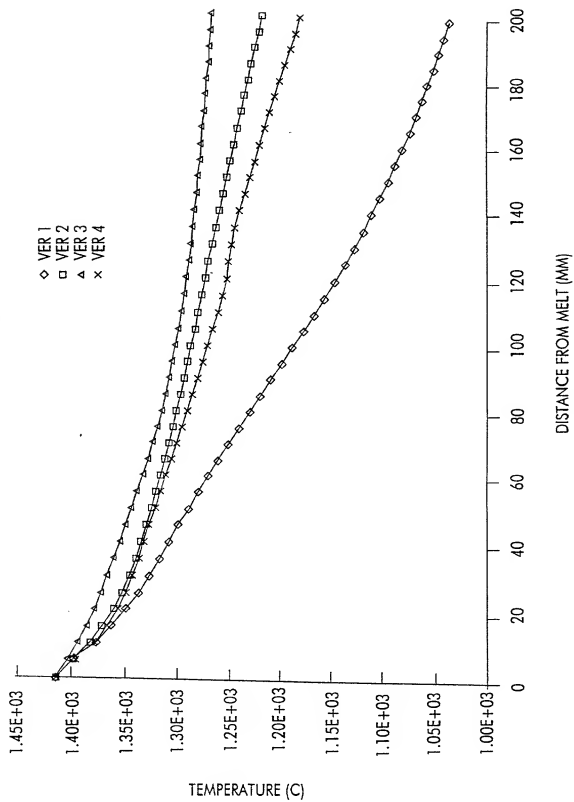


FIG.36

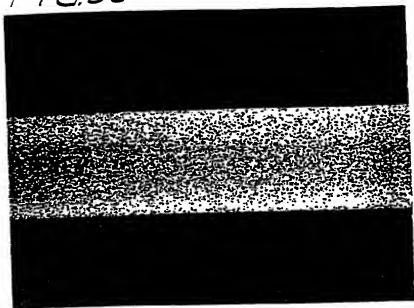


FIG.37

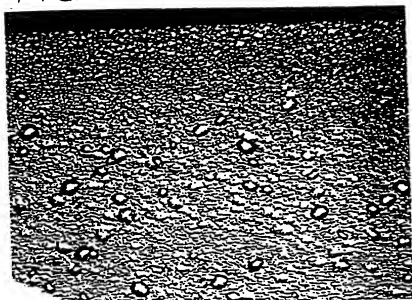


FIG. 38

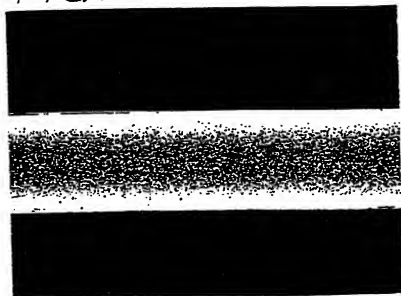


FIG. 39

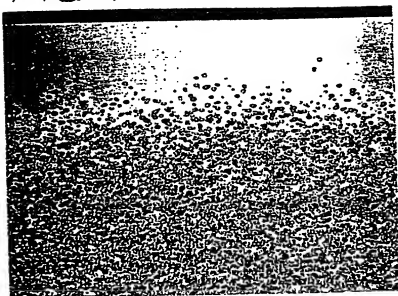


FIG. 40

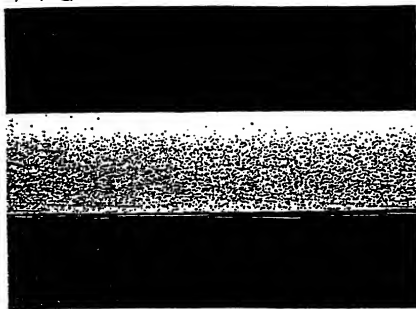


FIG. 41

